TOWN ARCHIVES

1847-48 Plans and specifications for the Congregational Church, the third to be built on the same hill at the west end of the common.

The Town Clerk is designated bylaw as the custodian for records from town groups which have become defunct and choose to turn records over to the town's care. The Town of Brimfield has the care of a number of early records for the Congregational Church.

Plans for

Congregational Church

in Bloomfield

Erected in ~~1848~~ 1847

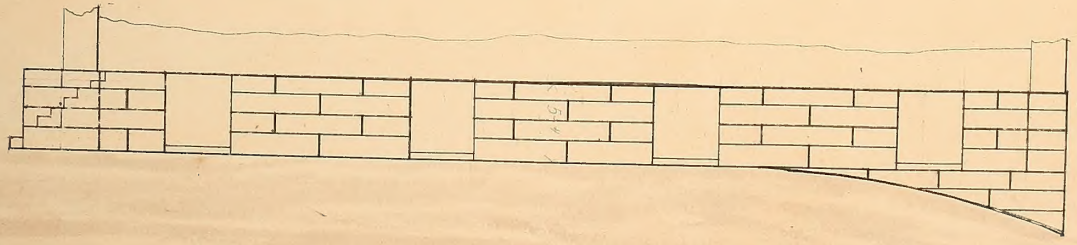
Plans for

Congregational Church

in Brimfield

1847

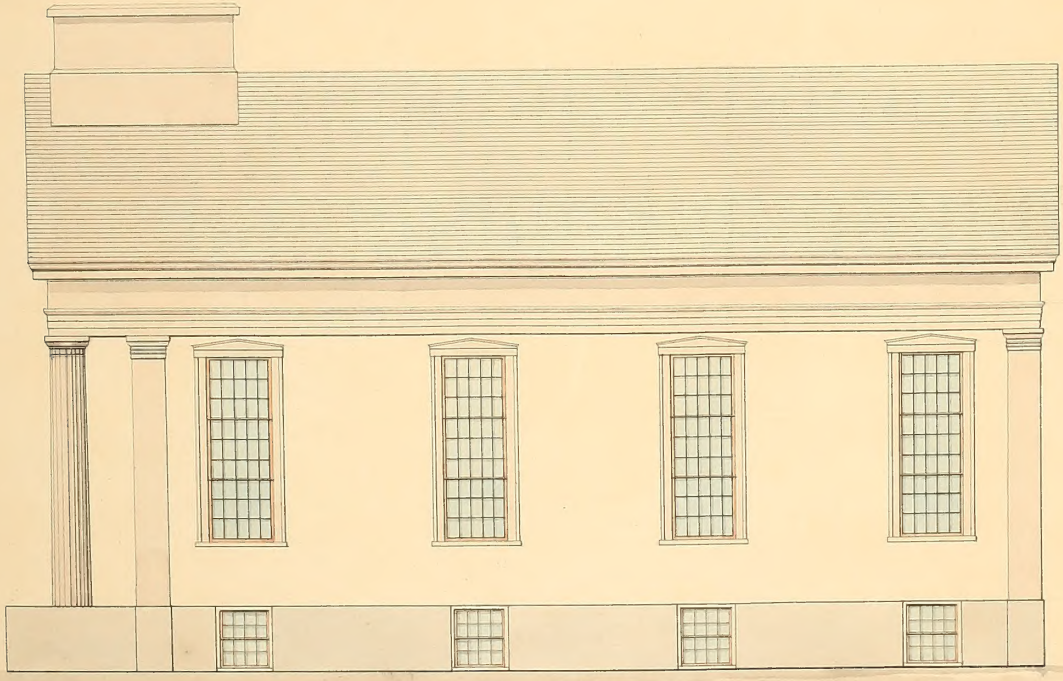
Erected in 1848



Elevation of Stonework for basement

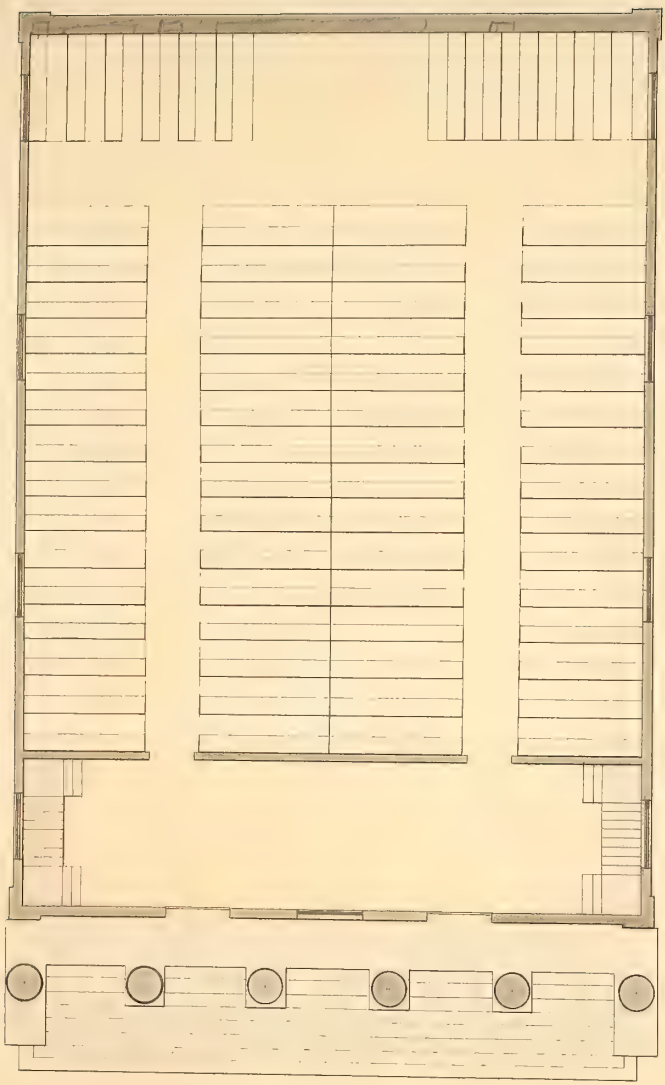
Digitized by the Internet Archive
in 2015

https://archive.org/details/plansforcongrega00unse_0

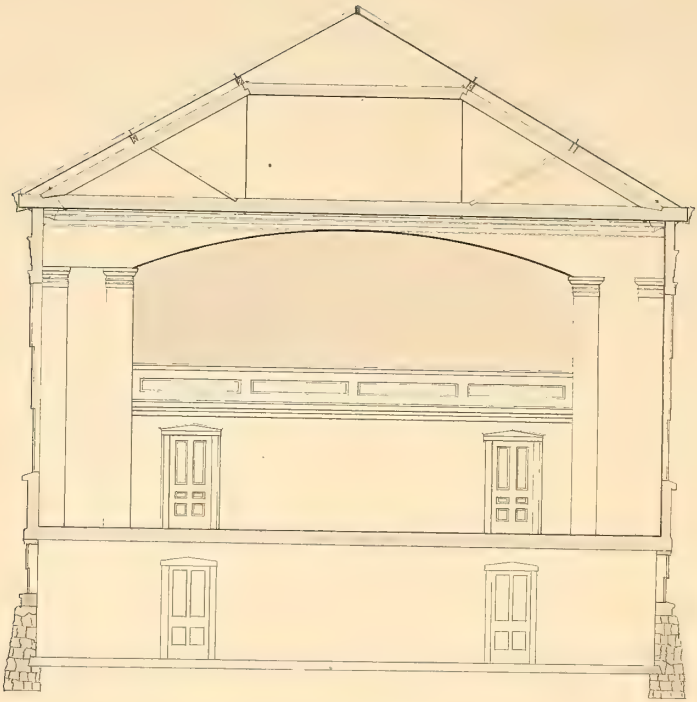


Side Elevation Stone Basement.

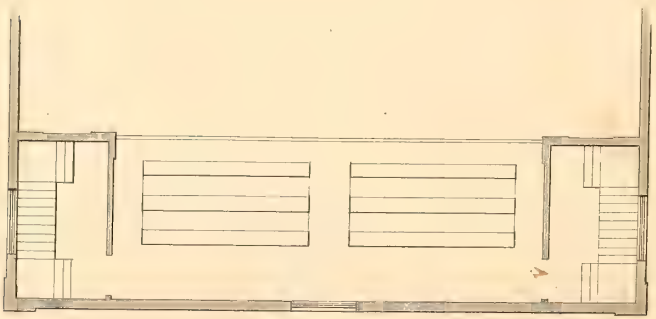
Front Elevation. Stone Basement



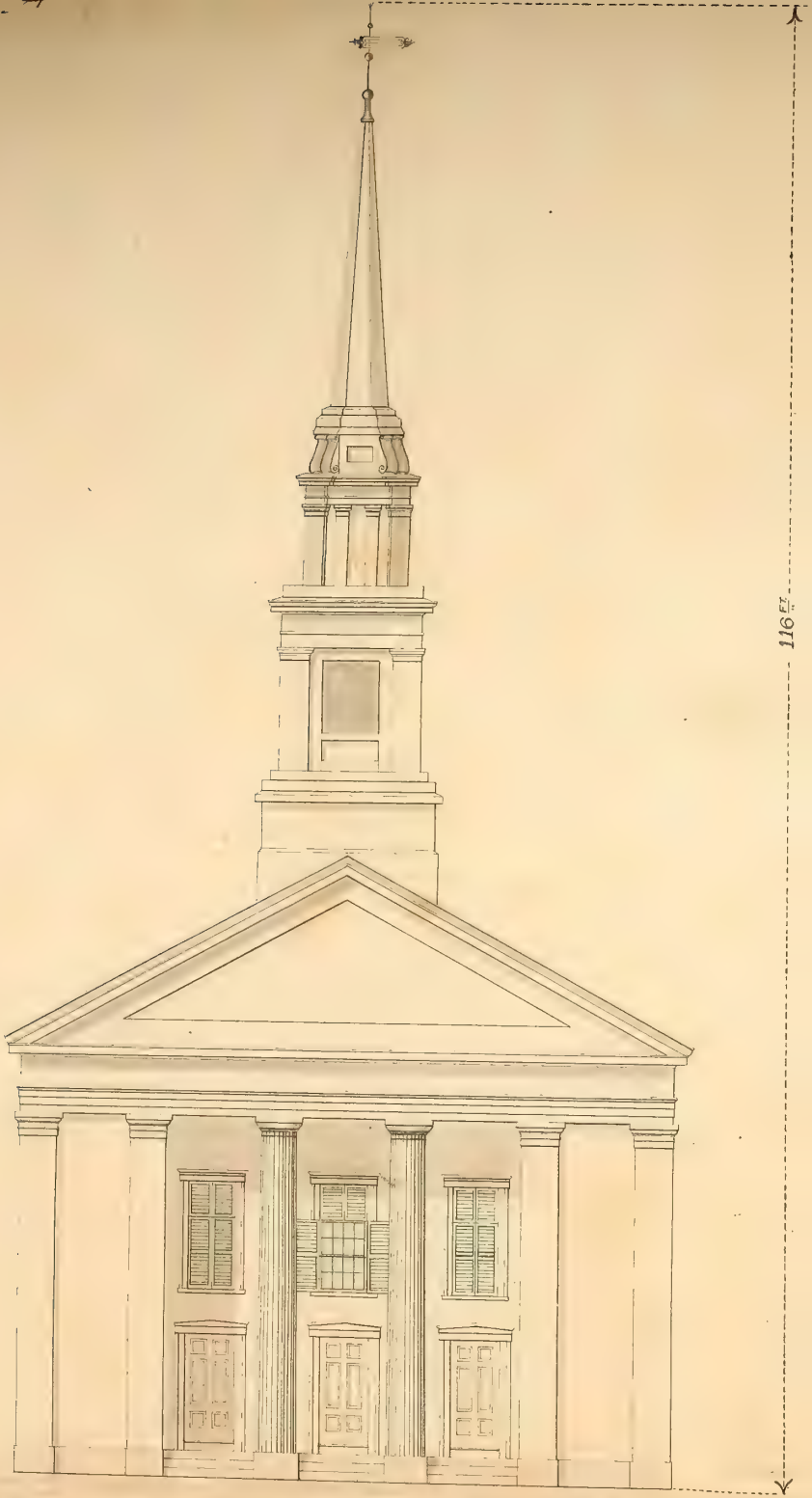
Ground Plan



Front View of Orchestra



Gallery Plan



Front Elevation.

Specifications for a Church to be built in Brimfield Massachusetts

1847

Excavation Foundation and Underpining

The ground to be excavated for the walls three feet below the surface, three and a half feet wide.

The dwarf wall to be laid up of good junk Stone, three feet at the bottom and two feet at the top, well laid and pointed for the underpining.

The underpining to be of sound hammered Monson Granite or equal to it in quality, two feet high and of sufficient thickness, top straightened and ends squared.

Front Steps

The wall under steps three and a half feet deep, Stone well prepared to prevent settling &c.

The Steps of fine hammered Monson Granite as per Plans.

Framing Size of Timber and Building

	in'	in'		in'	in'		in'	in'
Wall Sills	8	× 8	Braces	4	× 4	Spur rafters	10	× 8
Trofs do	10	× 8	Steeple posts	10	× 10	Straining Beams	10	× 8
Posts	8	× 9	" 2d Story	8	× 8	Plates Purlines	10	× 6
Windows posts	8	× 8	" Sills	10	× 12	Jack Rafters	5	× 3
Beams	11	× 9	" Girts	10	× 8	Basement joists	9	× 2
Joists	8	× 8	" Plates	8	× 8	Second floor joists	11	× 2
Trofs girts	11	× 7	Spire rafters	5	× 4	Ceiling joists	8	× 2
Plates	8	× 8	at bottom 8 × 4 Tops			Length of House	77	feet
Studing	8	× 2½	Spire pole	8	× 8	Width, do.	53	"

The first floor joists and sills to be of good and suitable chestnut timber. All the rest may be of a good quality of Northern timber. For the length of timber and the arrangement and Sizes of the same see plans.

The posts and studs all to be jointed straight on the outsides and all the work done in a thorough manner. The floor joists to join to the girts on the upper edge.

All bridged with Herring bone bridging.

(1)

Outside Finish	The outside well boarded with sound seasoned and matched boards, well nailed The roof boarded with Sound Square edged boards well nailed, and Shingled with No 1 Extra Shaved western shingles
Cornice	The Cornice as per plan, of good eastern lumber well seasoned. The whole entablature and Arteas of the best eastern Stock if made as per plan see plan of same
Sheathing	The front to be sheathed with best eastern Stock well seasoned. The boards not to exceed five inches in width well matched and joints painted with white lead and oil. The sides and back end clapboarded with best eastern clapboards and well nailed
Cupola	The Cupola finished as per plan with good and Suitable Stock. The bell loft floor joists 10 × 3 inches, Covered with yellow pine ⅞ inch matched boards and turned on gimlets and made perfectly tight. To be a trap door in the floor to admit of a bells passing &c
Windows	The windows located as shown on the plans The size of glass in windows in sides 18 × 12 inches in front 17 × 12 inches, one window in back gable end 18 × 10 and 12 lights. Two windows in the back end of basement Corresponding with the Ones on the sides. The windows on the sides to be in three sections, the two upper ones connected; which the lower one is dismounted by a Hook which is to be covered with a blind See plans

Windows — The Glass all to be of first quality of 21 oz. glass. The casements of Sash hung with weights and pullies and good Cords. The lower casements made to shove up behind the Blank Blinds. For finish of windows outside see plans. The Sashes made of pine 1¾ inches thick and Confined together by wire rods in the usual manner

Outside Doors — The outside doors located as per plan for size and form see Elevations. To be 2¼ inches thick hung with three butts five inches long. To have good locks on all the doors of dwelling whether inside or out and also bolts as may be desired. Inside doors as per plans

Inside Finish — The under floors of good sound spruce 7/8 inch boards well nailed. The upper floors of good North Carolina pine floor boards well worked & nailed. The basement shall be plastered as per sketch as far as the windows with good skim stuff & boards matched and capping on the upper edge as per plan. To be two inside doors to basement as per plan of same. To be Station turned chestnut posts in the basement 9 inches at the base and seven inches at the top standing on stone bases. Coming up to the underside of the floor. The foundation walls above made as per plan to prevent a possibility of settling which would depend much upon the nature of the ground which can easily be ascertained by means of a crow bar.

(3)

Gallery — The finish for gallery to be as shown on the plans, the framing of which may be seen in the detail. To be a seat next to the wall if required

Lath and plastering — The whole building will be furred with proper furring "five nailings" The basement plastered with one coat work, with good lime and mortar.
The upper rooms plastered with two coats of hair well floated off and finished with hard finish. Cornice of stucco as per plan and also Centre piece with Ventilator in same.
All the latthing and plastering done in a good and workmanlike manner

Chimneys — To be two stacks of Chimneys in the back end commencing at the ground with proper foundations

Seating — The seats in house as represented on plans (See Section of seats) The wainscoting on each side of the aisles made of good Eastern stock with moulded panels, dove tailed with good pew butts and good brass buttons.
The capping and risers of pews of Mahogany.
The walls of the Church Chancel and Vestry as high as the windows with matched & planed boards.

Windows and doors finished — The windows and doors finished as per specification to be painted three coats "The plastering to be thoroughly dry.

Inside (4)

Painting The outside painted with three good Coats of pure White lead and linseed oil
Inside and ceiling with Exception of Room Ends and backs of Seats painted with three flat coats of good White plaint
Cupboards painted as shall be directed

Iron Work The Trusses and principal work of Wrought Round Iron with Long Heads to fit the angular points of Timber, with nuts as thick as the diameter of the rods
Rafter bolts to be of Iron diameter of Iron
All to have good washers of Cast
All ascending Iron work about Spires and Towers to be painted by the Contractor

Leading All necessary leading done around Chimneys, the Tower, Cornice, Dormers and Windows and Every other place necessary to make Tight

Basement Desk &c Contractor to make a desk in Basement of suitable size and form for transaction of business in Common with Town Meetings, Coming meetings &c. To be placed at the back End of the basement on a platform Eight inches high from the floor

Stairway to Belfry Do a straight stairway to the Belfry to be made as convenient as circumstances will admit

(5)

Bulkhead — The bulkhead and all Making any fixtures belonging to the same to be furnished by the Commitee and set up with all other necessary fastenings by the Contractor

Vane & Balls — A vane and three balls are to be fixed on the spire (see plan) the balls to be each 22, 12, and 6 inches in diameter. The vane and balls to be made of Copper and well gilded &c. The vane within the spire pass through it to have sufficient Iron work to make it strong and durable the same to be secured with the Copper as to be of such length and size as the Architect Capt & Com may direct

Step Ladders — The step ladders are to be numbered in such manner and order as the Committee shall direct

Memorandum of a Contract made and entered into this fifteenth day of May in the year of our Lord One thousand & Eight hundred and forty seven by and between William Kent Jr and Edwin L. Tupper both of Abraham Country of Hampden and Commonwealth of Massachusetts Yeomen of the one part and Samuel A Hitchcock, Aluredo Homer, Ira Perry Jr Ebenezer Knight, Cyrel A Bruns, Lorins Homer, Samuel Parker, Samuel Lombard, Henry Alexander Solomon Homer Henry F. Brown Orson Shuman and John McCann all of Springfield County and State aforesaid a building Committee of the First Parish or Congregational Society of Springfield on the other part

Witnesseth

That the said William Kent Jr and Edwin L Tupper for and in Consideration of the covenants and agreements on the part of the building Committee aforesaid hereafter mentioned, do Covenant and agree to and with the Committee to build Erect Construct & finish for them a meeting house to be placed on or near the site (as the Committee may hereafter direct) of the one recently destroyed by fire in Springfield, said house to be built of stone and according to plans marked A and working plans or drawings marked B which plans marked do A and the plans marked B and the Specifications attached to this instrument are to be considered as a part of this instrument

(7)

And the said Kent & Tupper agree to build said meeting house according to said plans and to carry out the design of the same in every particular, whether it is mentioned in this Contract or referred to in the Specifications or not. The said Kent & Tupper are to furnish all the materials for the construction of the house of every kind whatsoever necessary for the full completion of the same.

And the whole house is to be finished and ready for use on or before the first day of December next.

And it is mutually agreed between the parties that all questions that may arise between said Kent & Tupper of the one part and the committee on the other part in relation to the design of the plans or meaning of the specifications are to be decided by the architect Capt. Edward Lyman of Worcester.

(8)

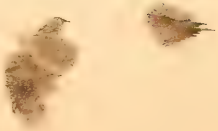
And the said Samuel [illegible] Abner Homer Ezra Perry Jr, Ebenezer Knight, Cyrus Kent Francis Lincoln Homer, Daniel Parker, Lemuel Lombard Thomas Lolander, Solomon Homer Henry L. Brown, Orson Sherman and Silvester Wann in Consideration of the Covenants and agreements on the part of said Kent & Trafton hereby Covenant to agree to and with said Kent & Trafton to pay them within the time the house is finished & completed & to the acceptance of the aforesaid building Committee the sum of Five Thousand Five hundred Dollars

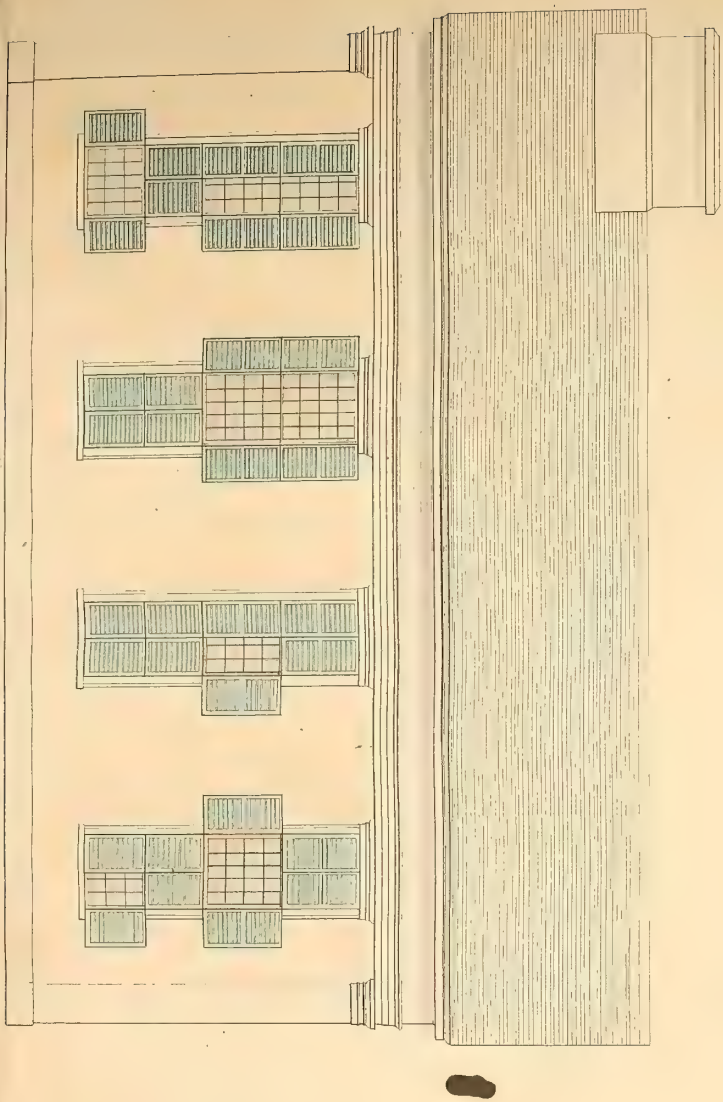
To the true and faithful performance of the several Covenants and Agreements the parties Unto Each to the other in the penal Sum of Two Thousand Dollars

In testimony of which the parties have hereunto set their hands & Seals this 3d day and year first above written

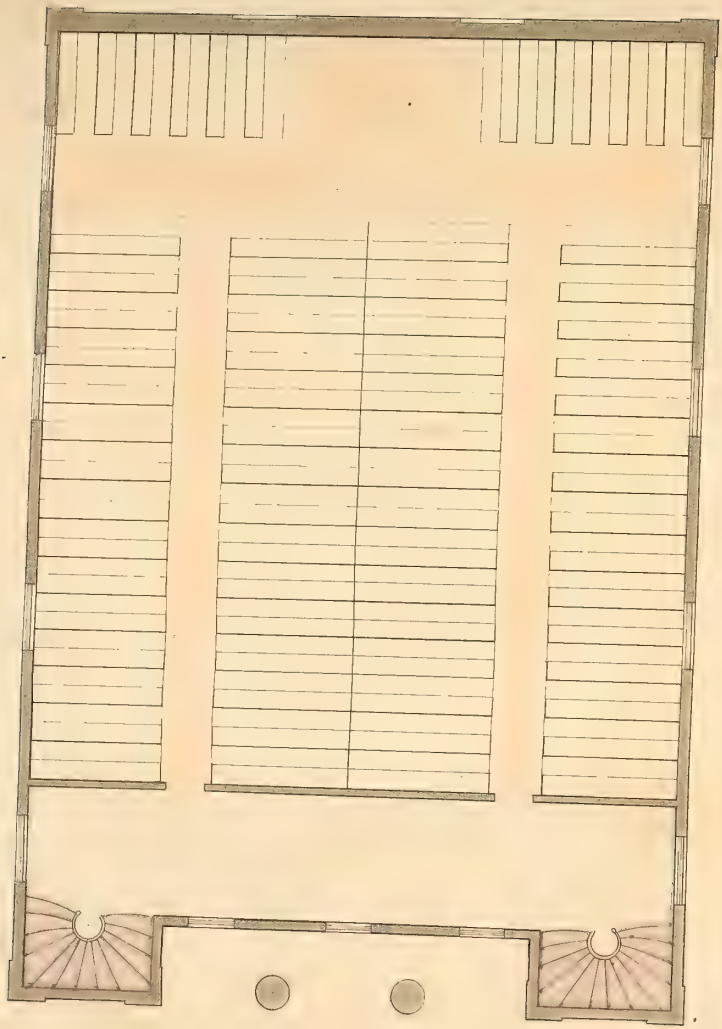
Signed Sealed and delivered in presence of

(110)



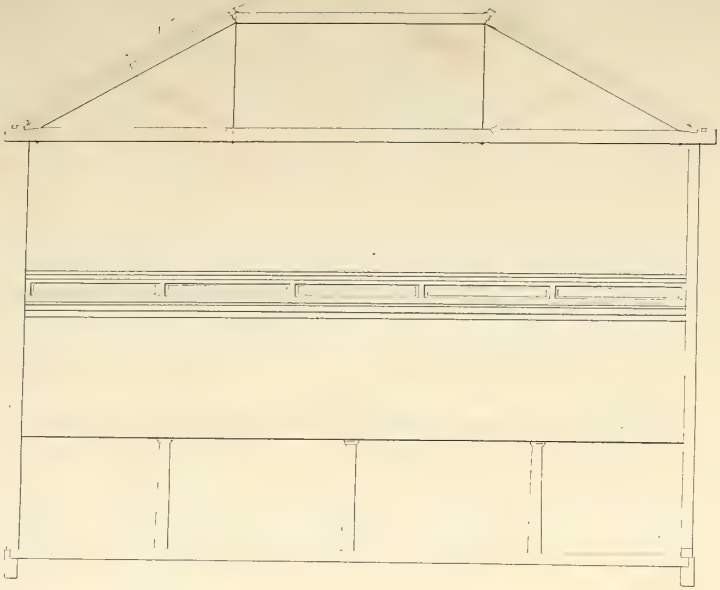


A.

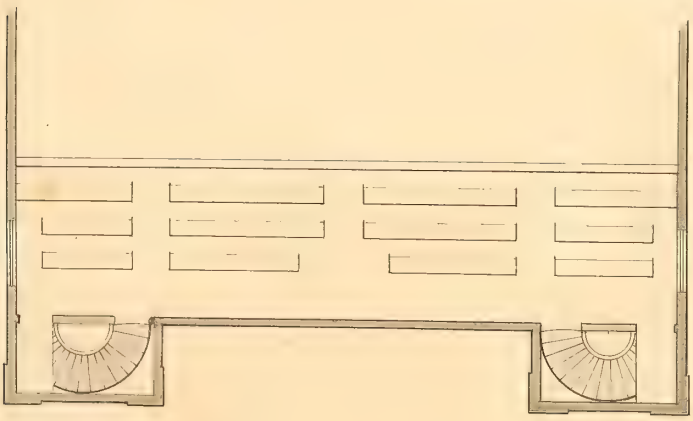


Ground Plan of Church

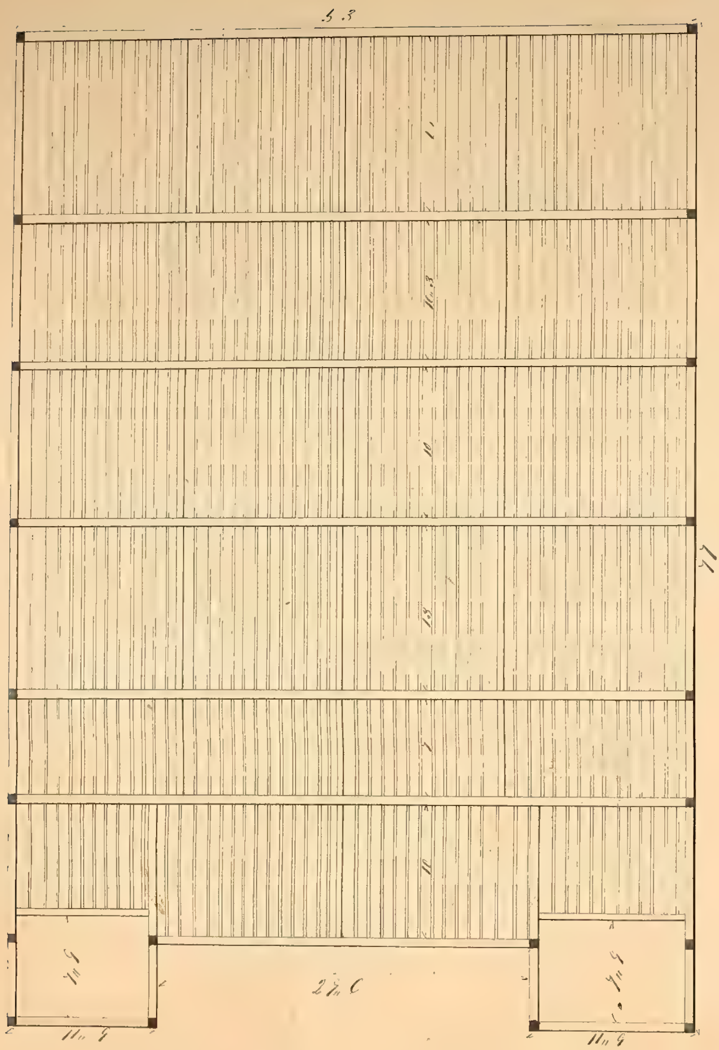
A.



Transverse Section of Church

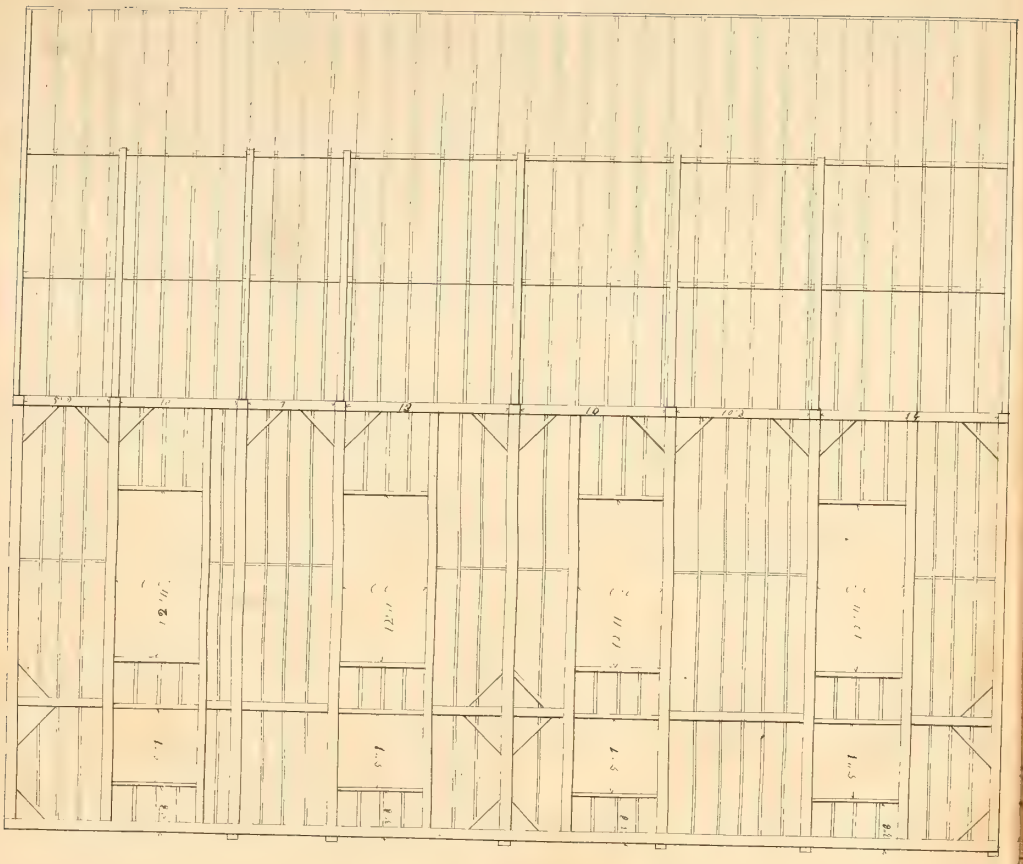


Gallery Plan



Framing Plan of Main Floor

A.



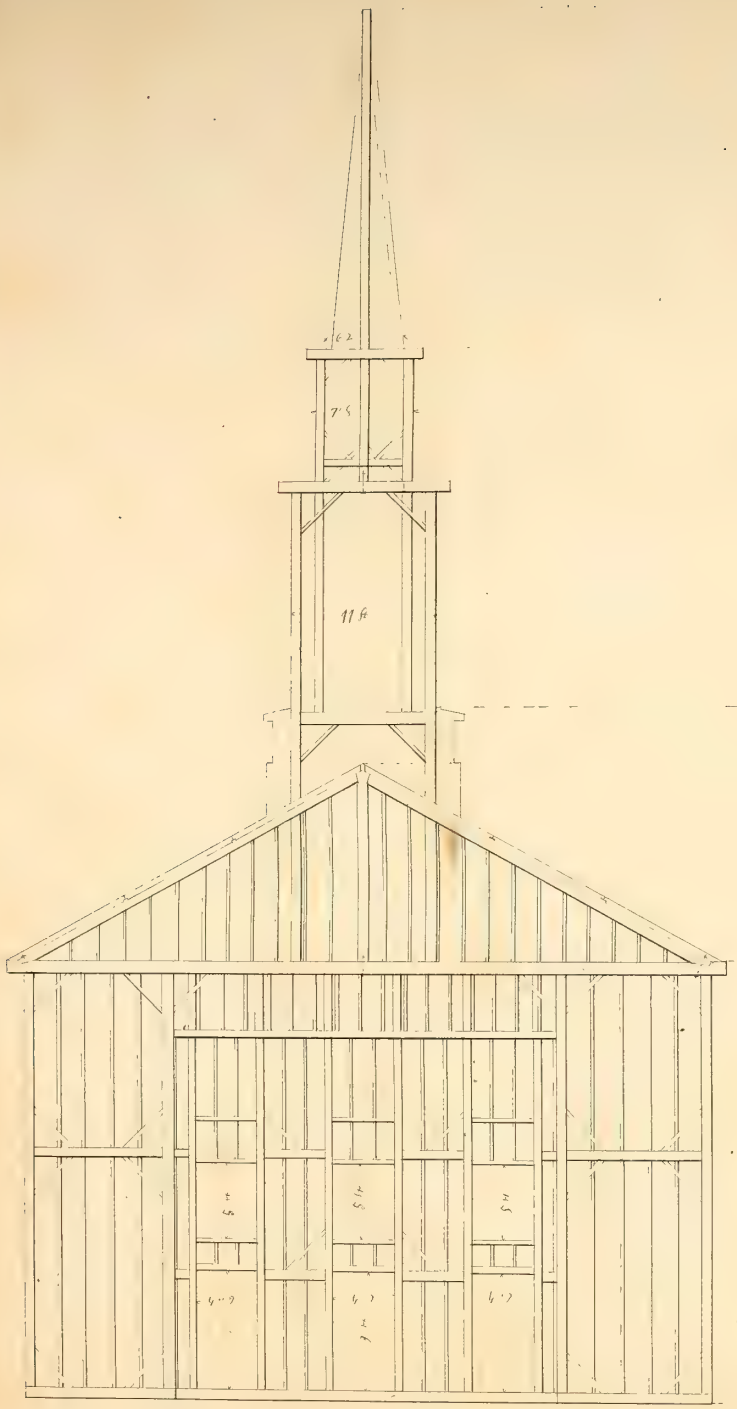
Side Elevation of Framing

8.

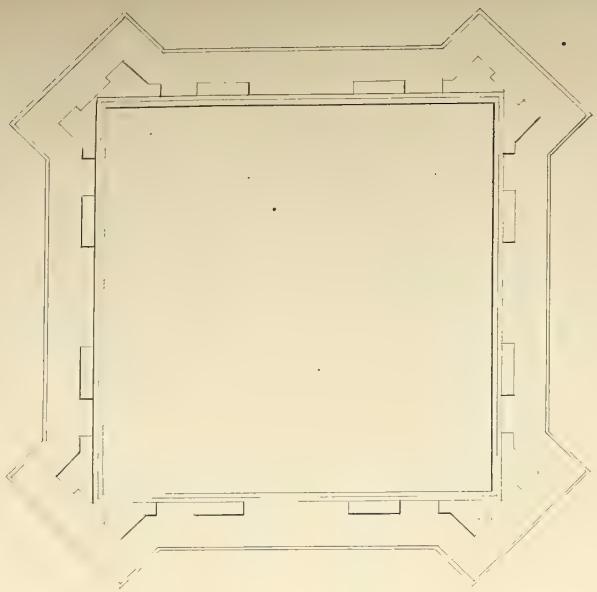
Windows Single Sheet 300.00
Blinds 221.25
521,25

Windows double Sheet 341.70
Blinds 221.25
562,95

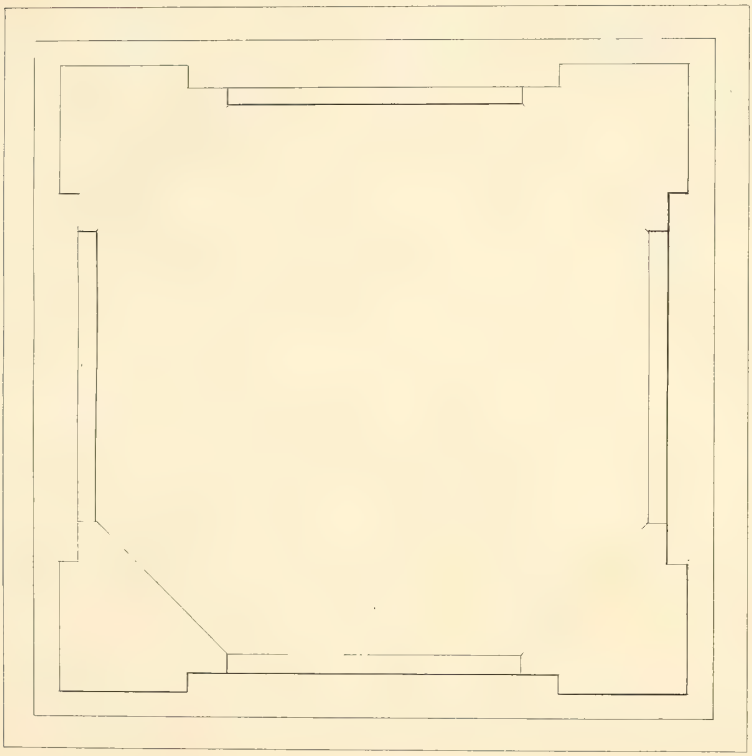
A.



Front Elevation of Framing

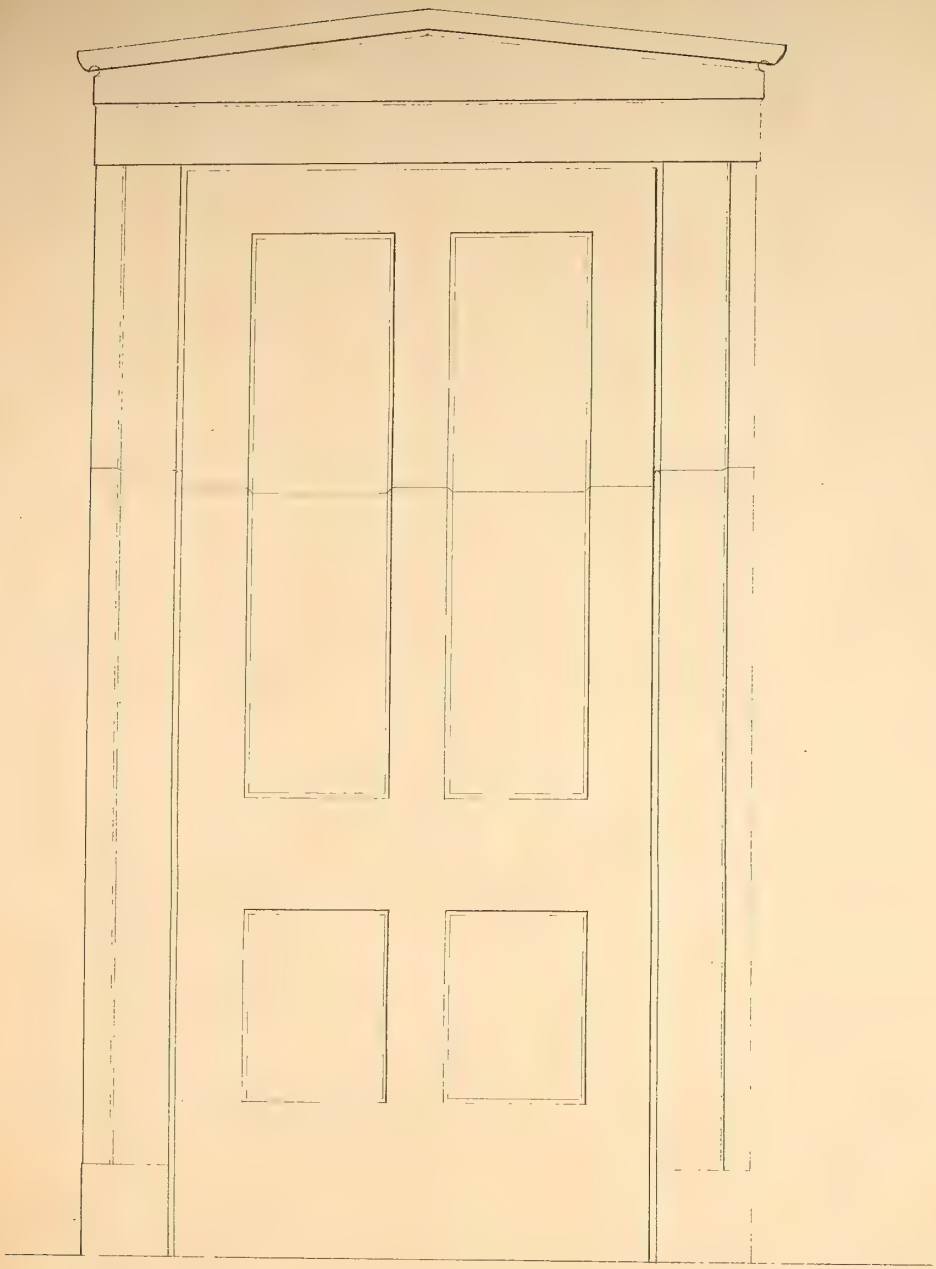


Ground Plan of Second Section of Steeple

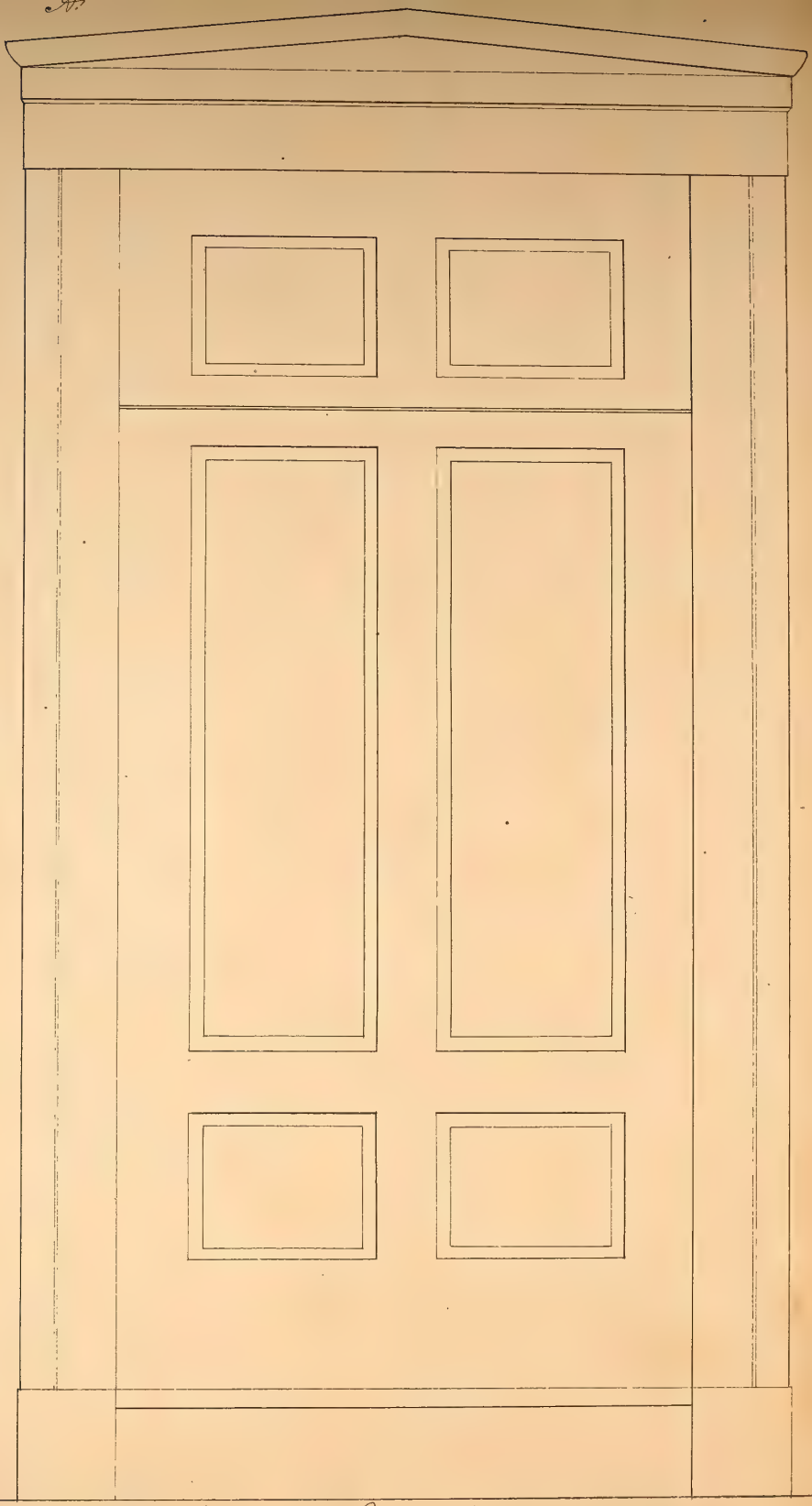


Ground Plan of first Section of Steeple

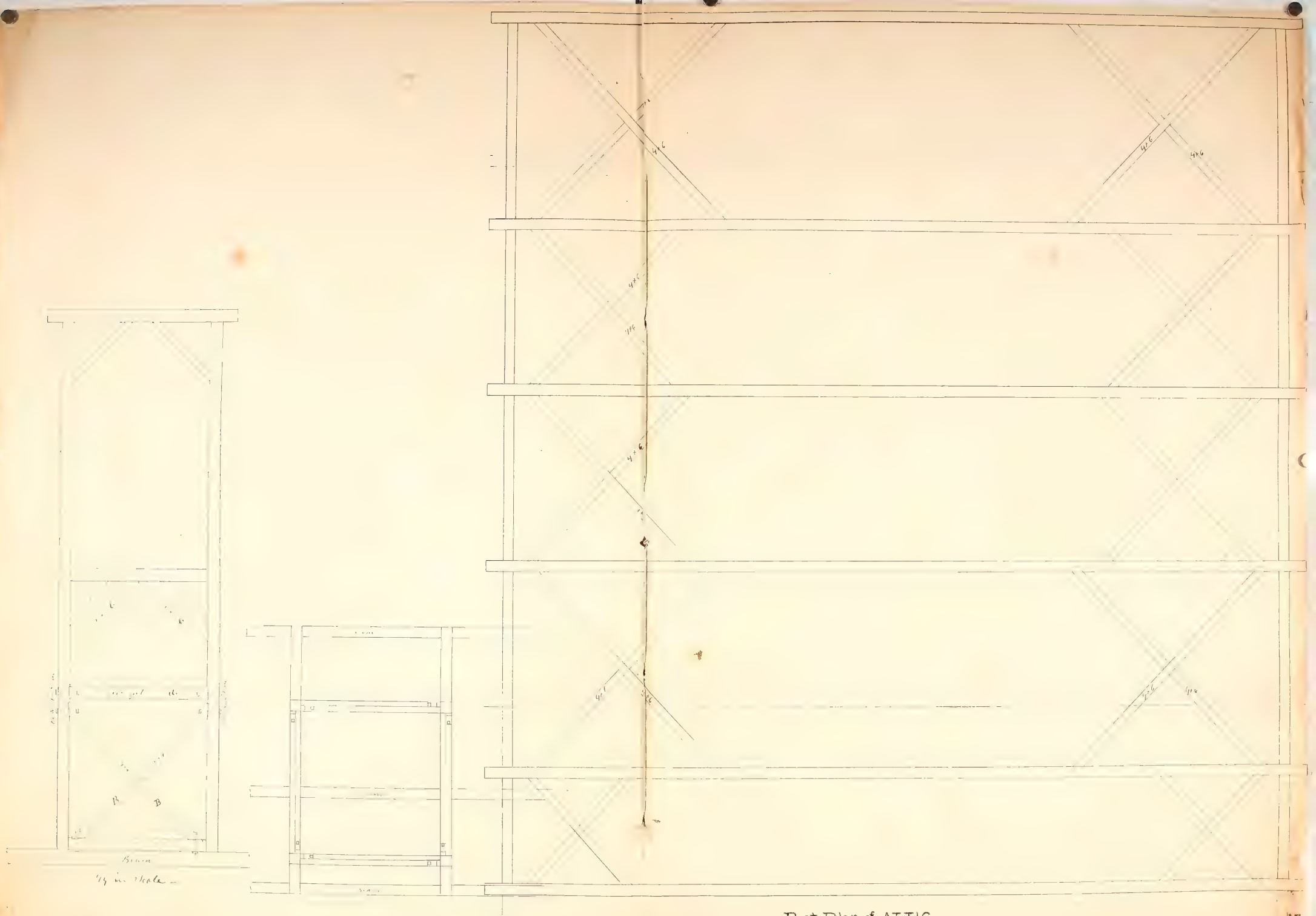
A.



Elevation of Door Scale Transferred



Elevation of Outside Doors. Scale 1½ in per Foot



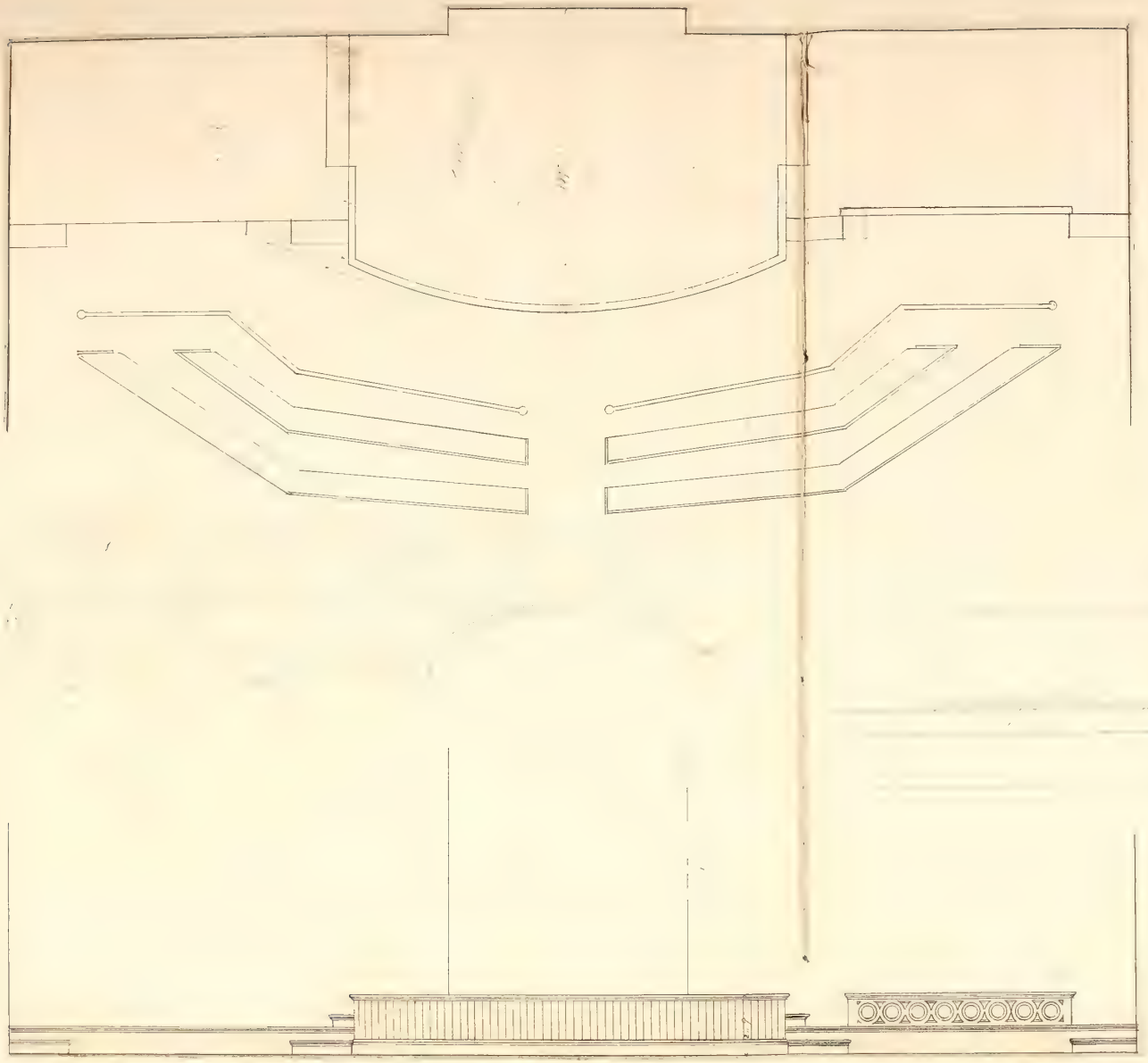
Post Plan of ATTIC.
Scale ¼" = 1ft.

Encl 1

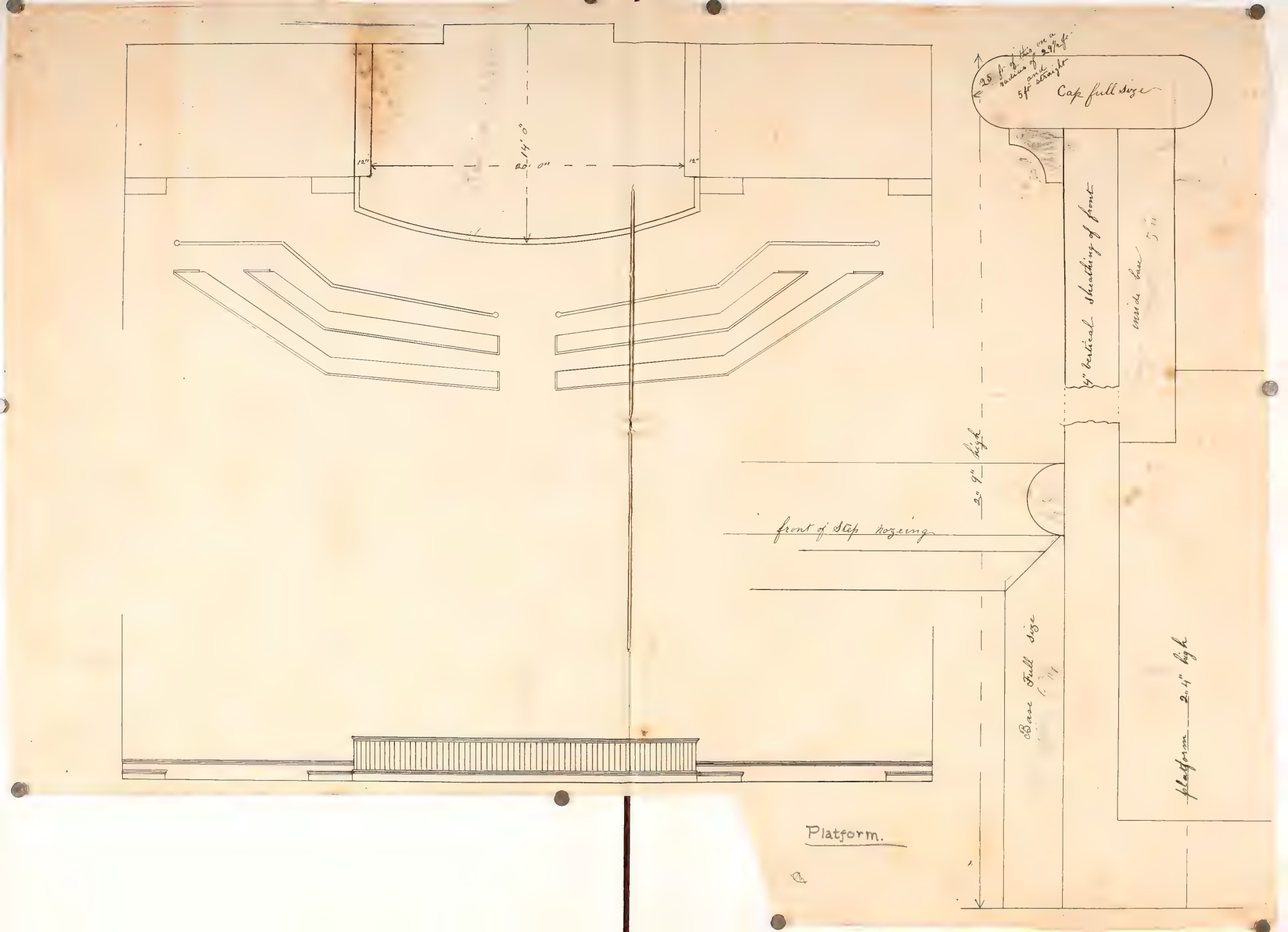
These are the
drawings you
requested

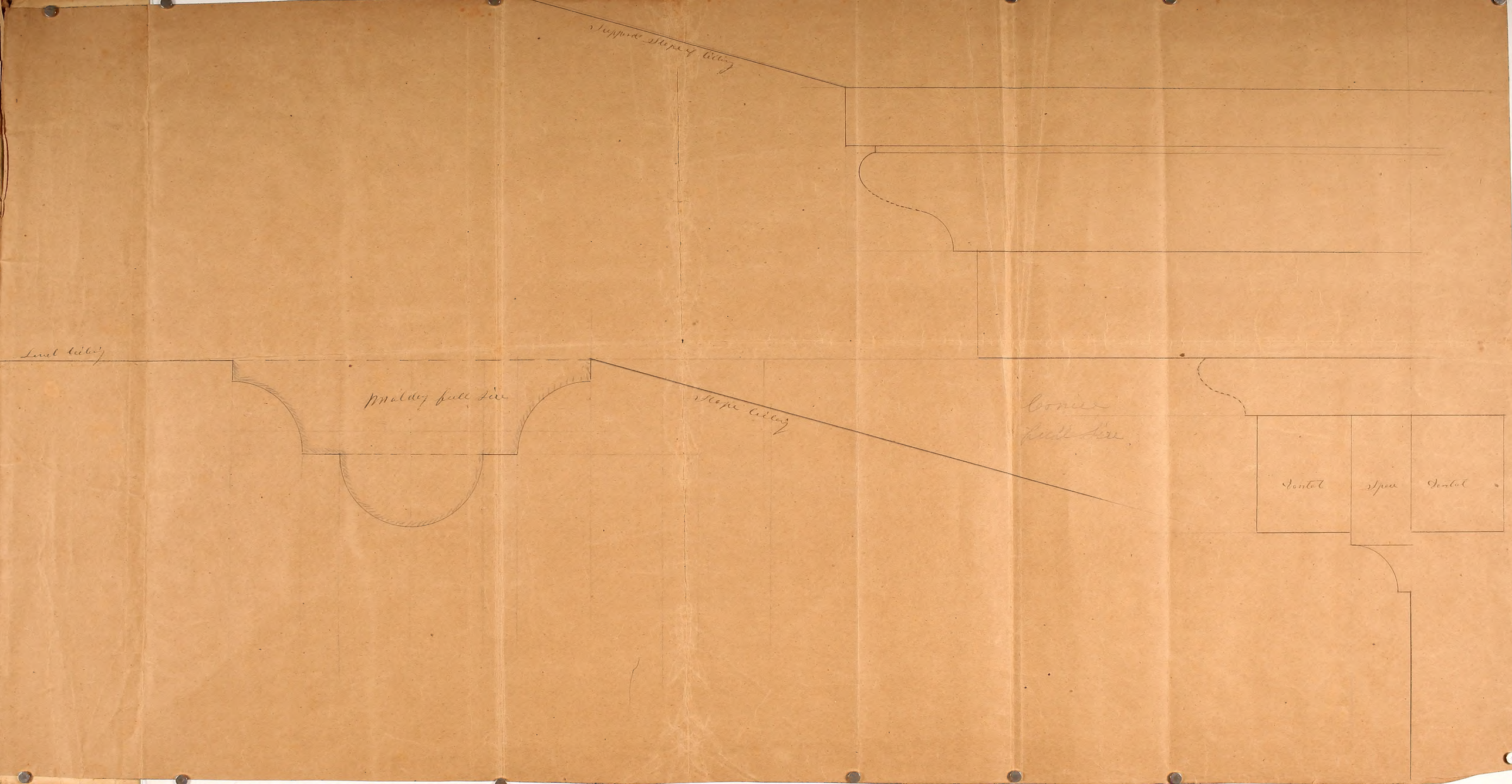
T. Anderson

Thank you



PLATFORM.


12"
80' 0"
14' 0"
12"
35 ft. of this on a radius of 9 9/12 ft
5ft straight
Cap full size
4" vertical sheetings of front
inside line
2' 9" high
front of step nozing
Base Full size
platform 2' 4" high
Platform.


Sloped Ceiling
Level Ceiling
Moulding Full Size
Slope Ceiling
Corner Full Size
Dentil
Space
Dentil

Estimate for Repairs on Church at Brimfield

4700	feet Hemlock Boards inch thick @ 13	63 00
1600	" timber & furring for altering Ceiling	20 00
1200	" White pine Lumber for dado & Base & Sunbase for Audience Room	42 00
	for taking off Old dado furring and putting on the new dado mitre Base &c	30 00
	for Stripping off old plastering in the rear and reforming Arches &c Mitre Lumber	50 00
37	M. 18in Sheared pine Shingles at Delivered @ 7	259 00
	for Stripping Roof & putting on new Shingles	75 00
180	lbs Shingle nails ——— 4d ———	7 20
5000	feet of toned paper put on ——— 4ct	50 00
	for 60 lineal feet Slips mitre jointed of Old Lumber &c @ $7	420 00
	for altering doors in partition	20 00
	for Laying Attic floor	20 00
500	lbs Nails at 4d	20 00
	for Reshedding ceiling open plan mitre Cornice	100 00
	for Ventilation ——— 20 including Blinds	100 00
	for Fresco painting in good Style	300 00
874	yds plastering at 27d	234 90
960	feet timber for Bracing Attic	10 00
	Work pulling Braces mitre Spikes &c	10 00
one	Mitre Ventilator put up	35 00
600	feet timber for Straightning Tower	10 00
	for Iron Work for Tower	15 00
	for Work Bracing Steeple	25 00
	Teams Work &c	25 00
	Expense of plans &c	25 00
	for Contingencies	100 00
	for Painting Frame	150 00
		$2217 60